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SOURCE Documentary as indicated. (Information specifically requested.)

RECENTLY PUBLISHED RESEARCH OF THE SOVIET SCIENTIST V. A. FOK

"The Field of a Plane Wave near the Surface of a Conducting Body," V. Fok

"J Phys USSR" 10, 1946, pp 399-409

For the field induced by an incident plane wave on and near the surface of a convex body of finite conductivity approximate formulas are derived. Since these formulas also give the current distribution in the skin layer on the surface, they may be used for calculation of the field at arbitrary distances from the body, thus yielding an approximate solution of the general diffraction problem.

"The Distribution of Currents Induced by a Plane Wave on the Surface of a Conductor," V. Fok

"J Phys USSR" 10, 1946, pp 130

"Solution of the Problem of Propagation of Electromagnetic Waves along the Earth's Surface by the Method of Parabolic Equation," M. Leontovich, V. Fok

"J Phys USSR" 10, 1946, pp 13

"Diffraction of Radio Waves by Surface of Earth," V. Fok

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"J Phys USSR" 9, 1945, pp 150

"Diffraction of Radio Waves around the Earth's
Surface," V. Fok

"J Phys USSR" 9, 1945, pp 255

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